





1

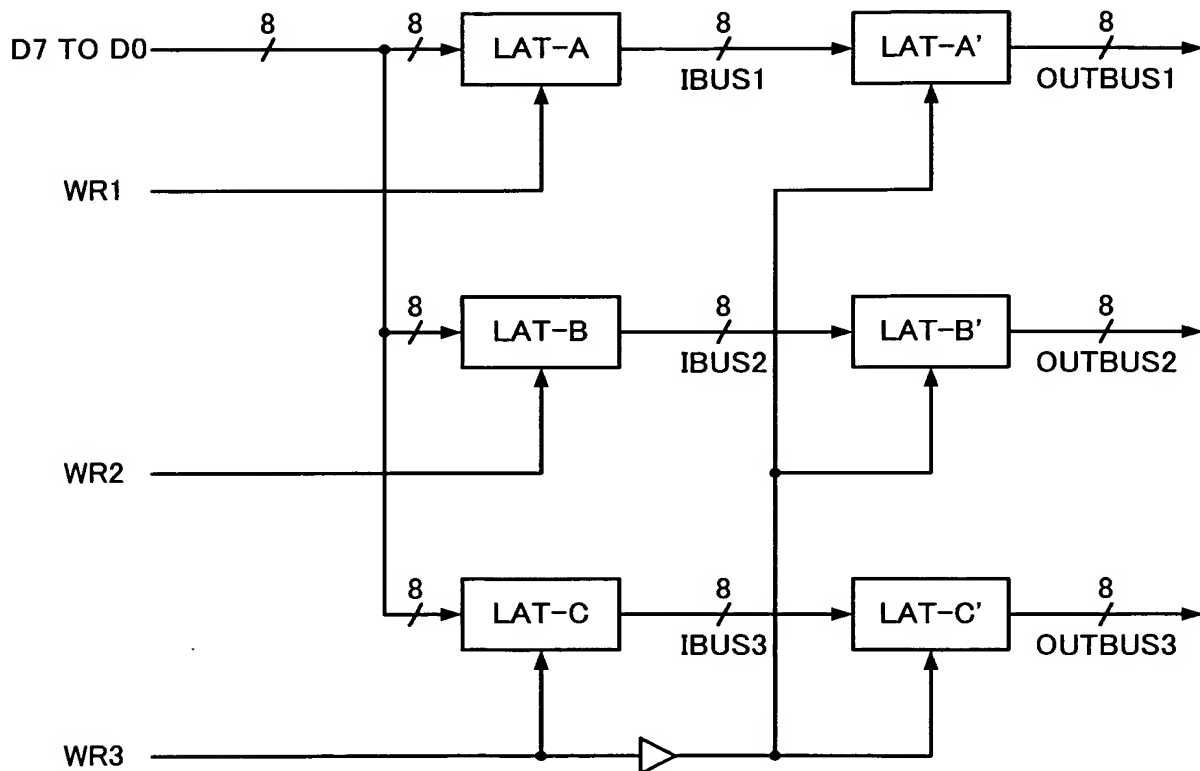




FIG. 4A

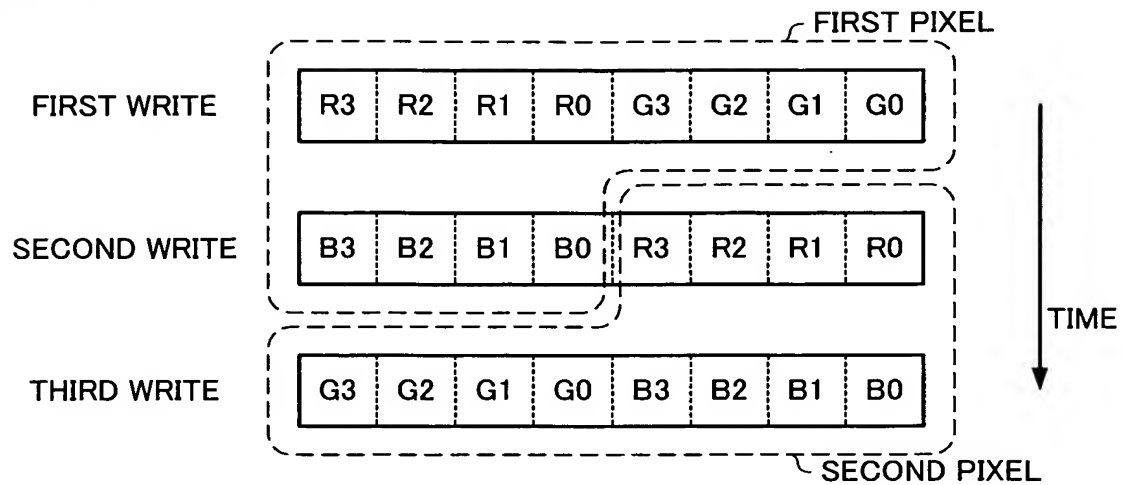


FIG. 4B

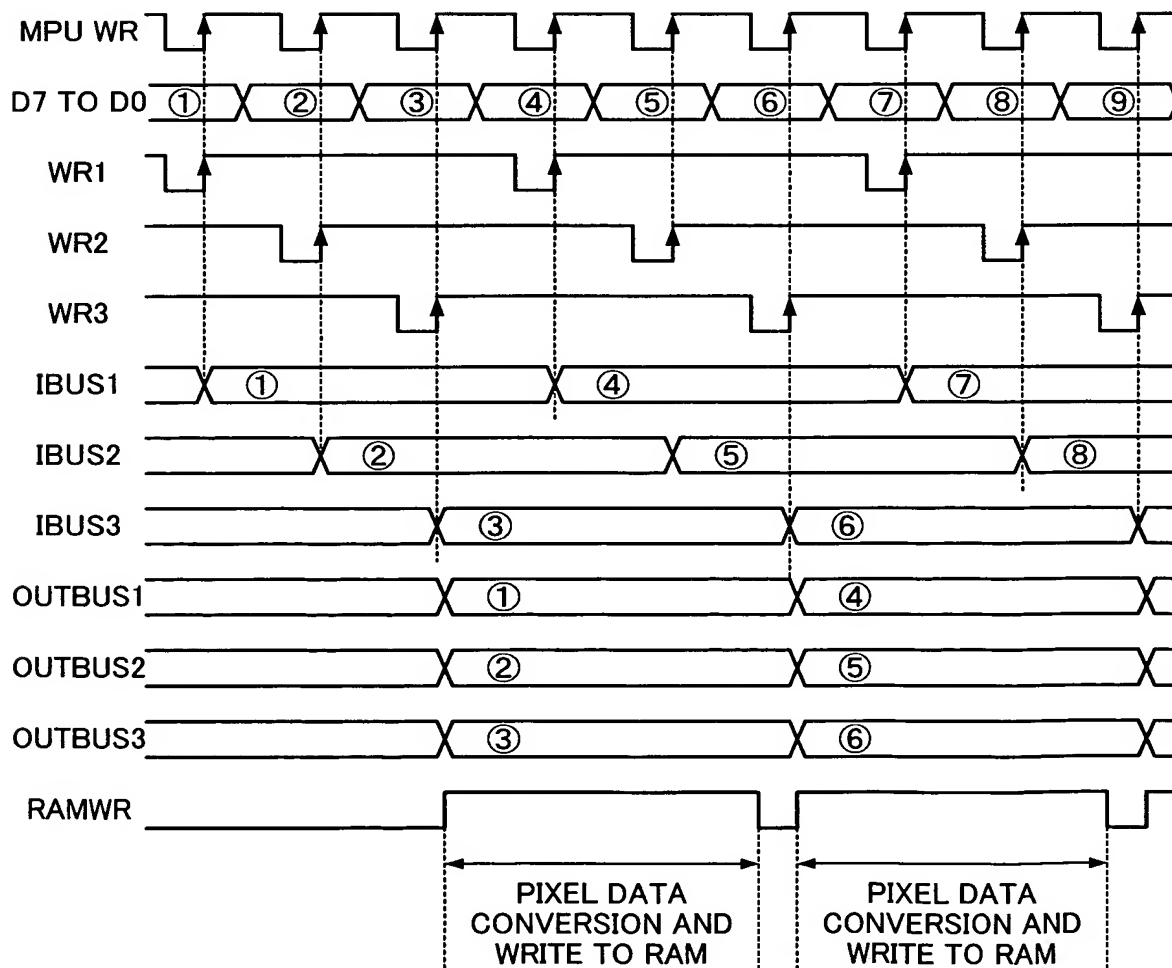


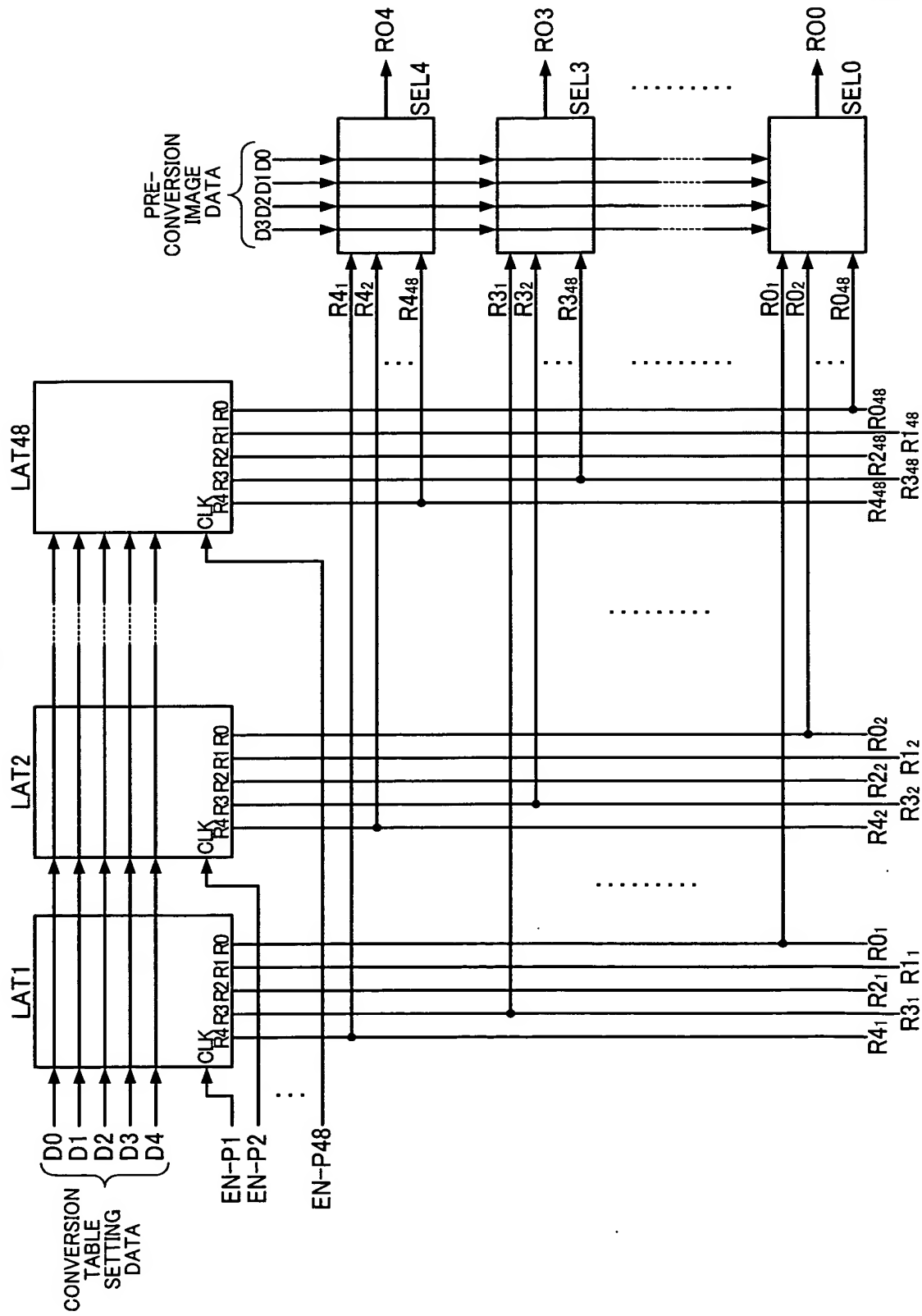


FIG. 5

COMMAND	D7	D6	D5	D4	D3	D2	D1	D0	PRE-CONVERSION 4-BIT IMAGE DATA
P1	*	*	*	P14	P13	P12	P11	P10	R(0,0,0)
P2	*	*	*	P24	P23	P22	P21	P20	R(0,0,1)
P3	*	*	*	P34	P33	P32	P31	P30	R(0,0,1,0)
P4	*	*	*	P44	P43	P42	P41	P40	R(0,0,1,1)
P5	*	*	*	P54	P53	P52	P51	P50	R(0,1,0,0)
P6	*	*	*	P64	P63	P62	P61	P60	R(0,1,0,1)
P7	*	*	*	P74	P73	P72	P71	P70	R(0,1,1,0)
P8	*	*	*	P84	P83	P82	P81	P80	R(0,1,1,1)
P9	*	*	*	P94	P93	P92	P91	P90	R(1,0,0,0)
P10	*	*	*	P104	P103	P102	P101	P100	R(1,0,0,1)
P11	*	*	*	P114	P113	P112	P111	P110	R(1,0,1,0)
P12	*	*	*	P124	P123	P122	P121	P120	R(1,0,1,1)
P13	*	*	*	P134	P133	P132	P131	P130	R(1,1,0,0)
P14	*	*	*	P144	P143	P142	P141	P140	R(1,1,0,1)
P15	*	*	*	P154	P153	P152	P151	P150	R(1,1,1,0)
P16	*	*	*	P164	P163	P162	P161	P160	R(1,1,1,1)
P17	*	*	*	P174	P173	P172	P171	P170	G(0,0,0,0)
P18	*	*	*	P184	P183	P182	P181	P180	G(0,0,0,1)
P19	*	*	*	P194	P193	P192	P191	P190	G(0,0,1,0)
P20	*	*	*	P204	P203	P202	P201	P200	G(0,0,1,1)
P21	*	*	*	P214	P213	P212	P211	P210	G(0,1,0,0)
P22	*	*	*	P224	P223	P222	P221	P220	G(0,1,0,1)
P23	*	*	*	P234	P233	P232	P231	P230	G(0,1,1,0)
P24	*	*	*	P244	P243	P242	P241	P240	G(0,1,1,1)
P25	*	*	*	P254	P253	P252	P251	P250	G(1,0,0,0)
P26	*	*	*	P264	P263	P262	P261	P260	G(1,0,0,1)
P27	*	*	*	P274	P273	P272	P271	P270	G(1,0,1,0)
P28	*	*	*	P284	P283	P282	P281	P280	G(1,0,1,1)
P29	*	*	*	P294	P293	P292	P291	P290	G(1,1,0,0)
P30	*	*	*	P304	P303	P302	P301	P300	G(1,1,0,1)
P31	*	*	*	P314	P313	P312	P311	P310	G(1,1,1,0)
P32	*	*	*	P324	P323	P322	P321	P320	G(1,1,1,1)
P33	*	*	*	P334	P333	P332	P331	P330	B(0,0,0,0)
P34	*	*	*	P344	P343	P342	P341	P340	B(0,0,0,1)
P35	*	*	*	P354	P353	P352	P351	P350	B(0,0,1,0)
P36	*	*	*	P364	P363	P362	P361	P360	B(0,0,1,1)
P37	*	*	*	P374	P373	P372	P371	P370	B(0,1,0,0)
P38	*	*	*	P384	P383	P382	P381	P380	B(0,1,0,1)
P39	*	*	*	P394	P393	P392	P391	P390	B(0,1,1,0)
P40	*	*	*	P404	P403	P402	P401	P400	B(0,1,1,1)
P41	*	*	*	P414	P413	P412	P411	P410	B(1,0,0,0)
P42	*	*	*	P424	P423	P422	P421	P420	B(1,0,0,1)
P43	*	*	*	P434	P433	P432	P431	P430	B(1,0,1,0)
P44	*	*	*	P444	P443	P442	P441	P440	B(1,0,1,1)
P45	*	*	*	P454	P453	P452	P451	P450	B(1,1,0,0)
P46	*	*	*	P464	P463	P462	P461	P460	B(1,1,0,1)
P47	*	*	*	P474	P473	P472	P471	P470	B(1,1,1,0)
P48	*	*	*	P484	P483	P482	P481	P480	B(1,1,1,1)

FIG. 6

2



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100







FIG. 8

No.	GRAYSCALE	RATIO	DIFFERENCE
0	0/7	0.000	---
1	1/10	0.100	0.100
2	1/7	0.143	0.043
3	2/12	0.167	0.024
4	2/11	0.182	0.015
5	2/10	0.200	0.018
6	3/12	0.250	0.050
7	3/11	0.273	0.023
8	2/7	0.286	0.013
9	3/10	0.300	0.014
10	4/12	0.333	0.033
11	4/11	0.364	0.030
12	4/10	0.400	0.036
13	5/12	0.417	0.017
14	3/7	0.429	0.012
15	5/11	0.455	0.026
16	5/10	0.500	0.045
17	6/11	0.545	0.045
18	4/7	0.571	0.026
19	7/12	0.583	0.012
20	6/10	0.600	0.017
21	7/11	0.636	0.036
22	8/12	0.667	0.030
23	7/10	0.700	0.033
24	5/7	0.714	0.014
25	8/11	0.727	0.013
26	9/12	0.750	0.023
27	8/10	0.800	0.050
28	10/12	0.833	0.033
29	6/7	0.857	0.024
30	9/10	0.900	0.043
31	7/7	1.000	0.100



FIG. 9

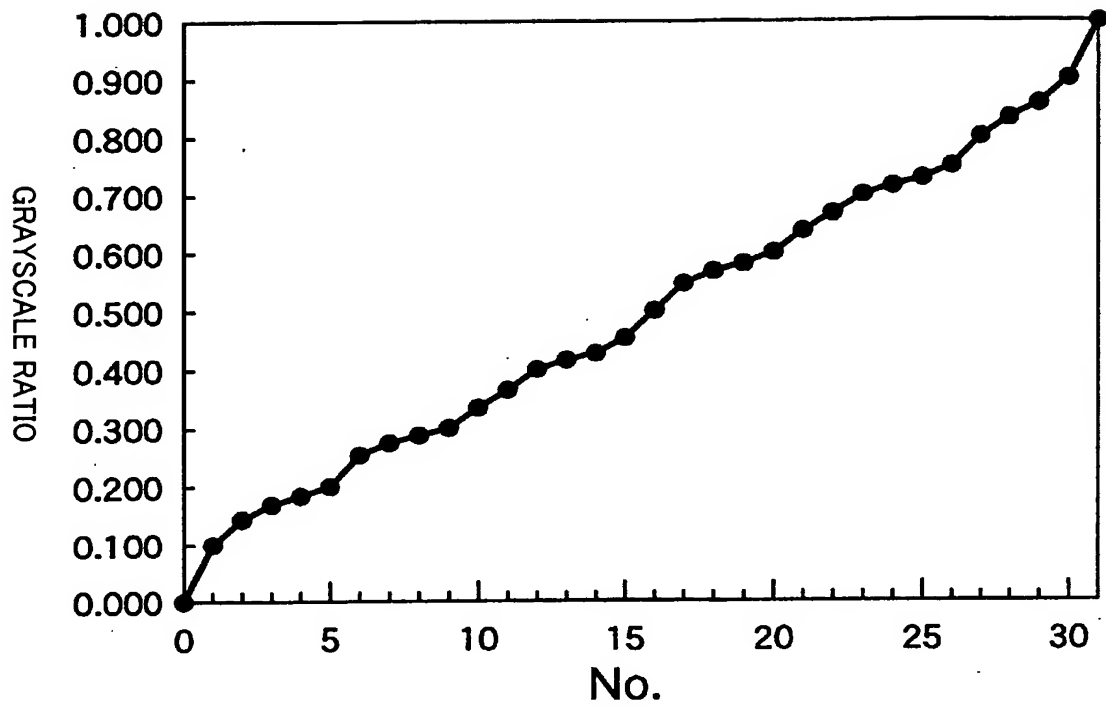


FIG. 10

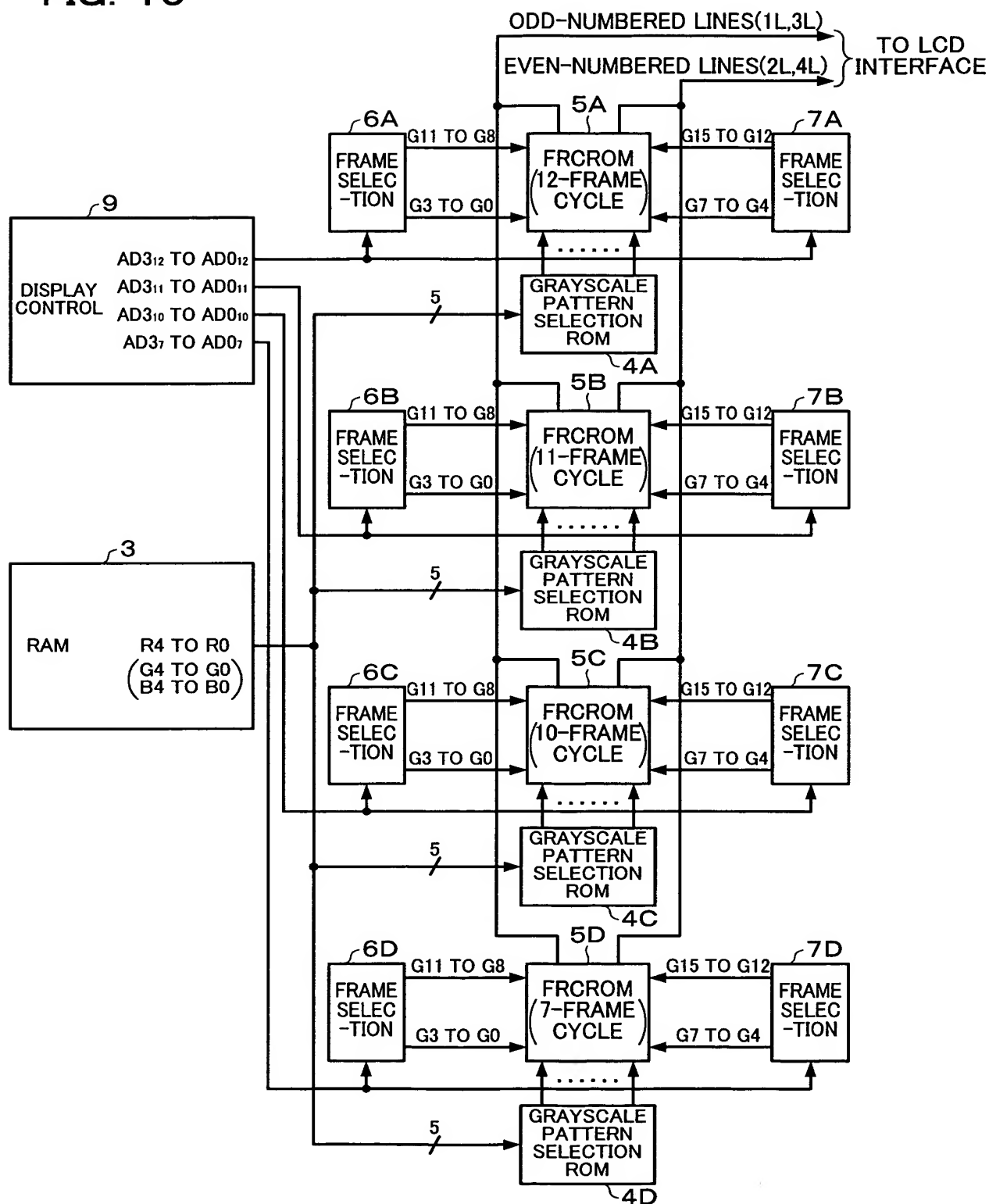
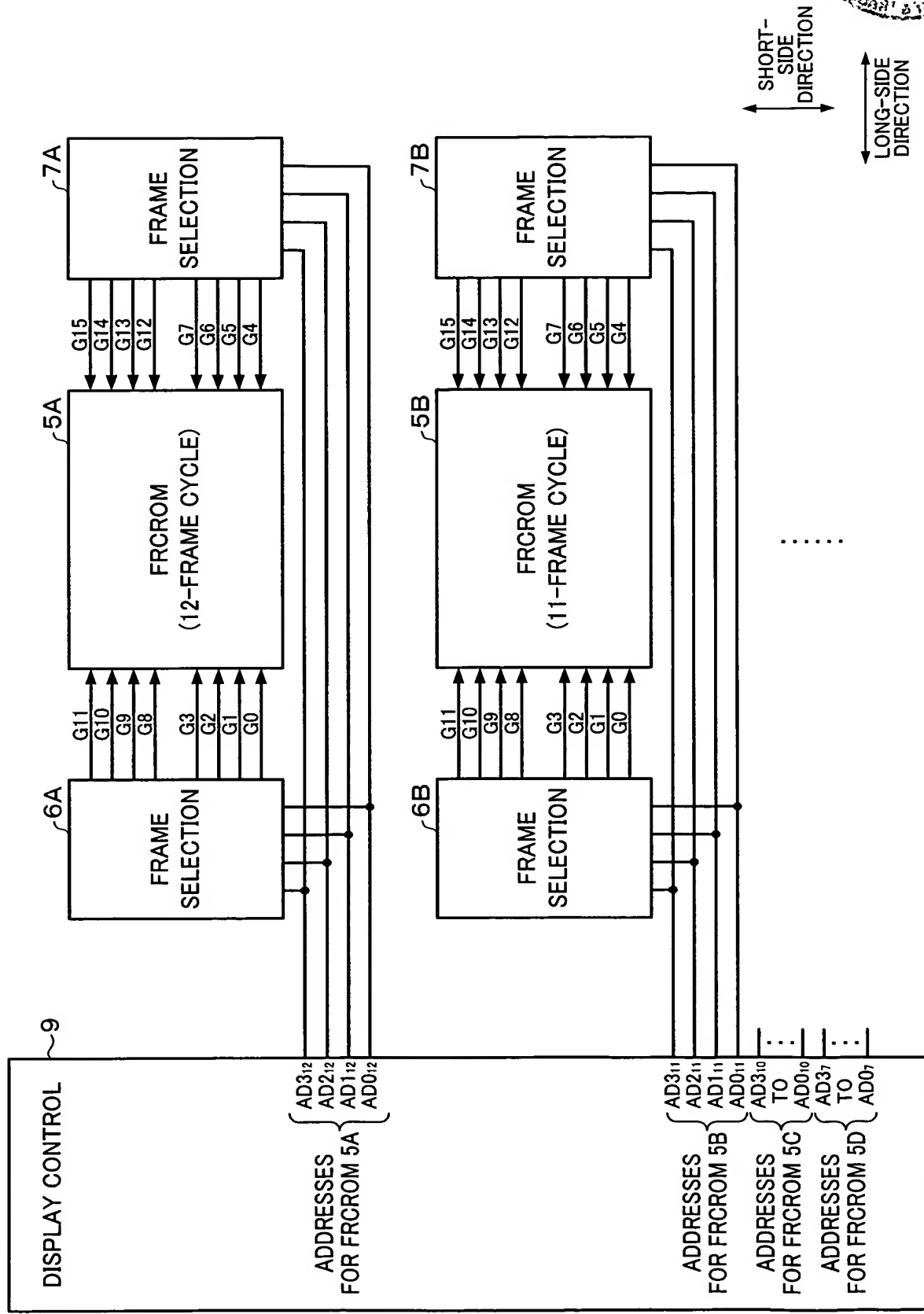




FIG. 12



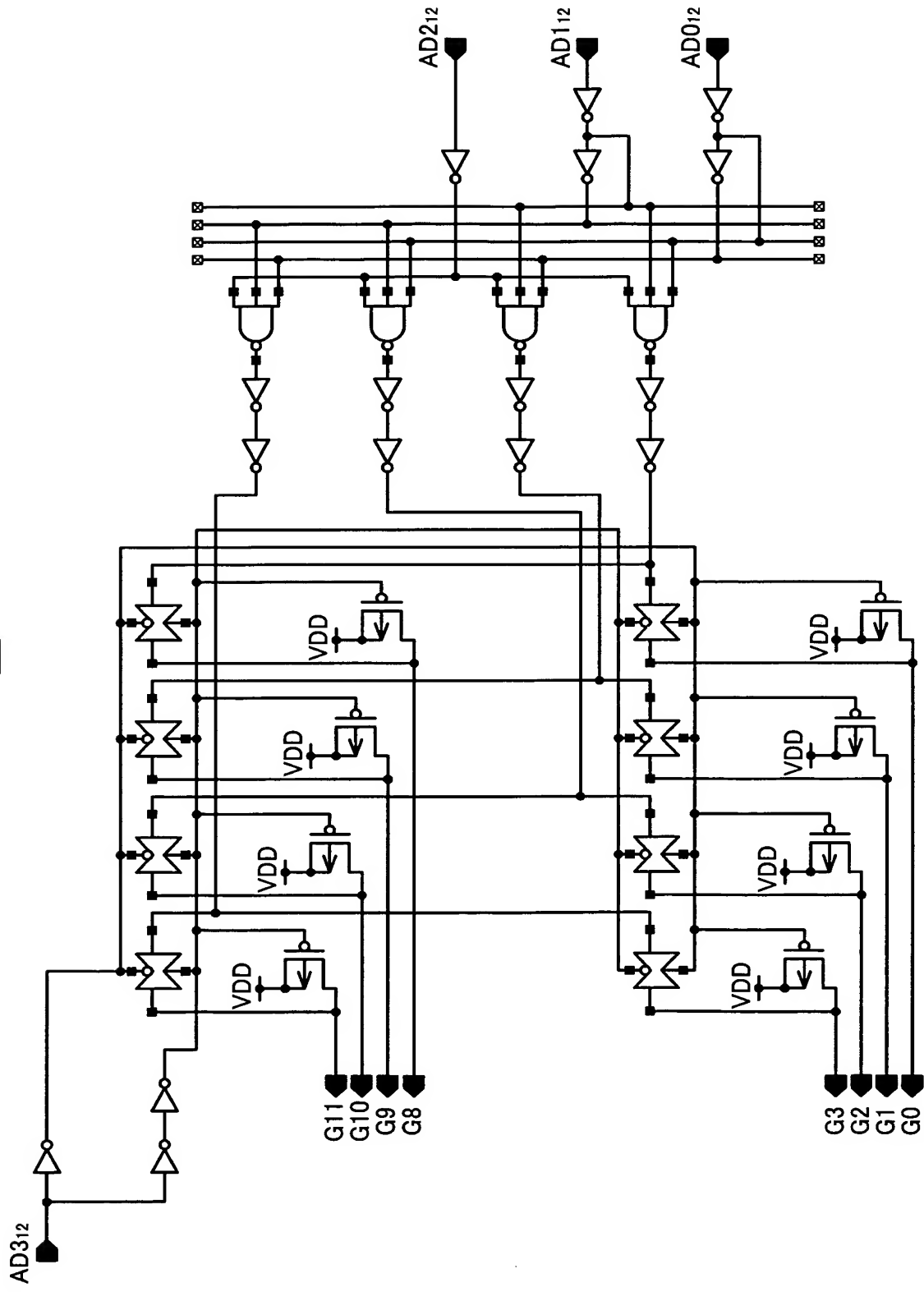
6A



FIG. 14

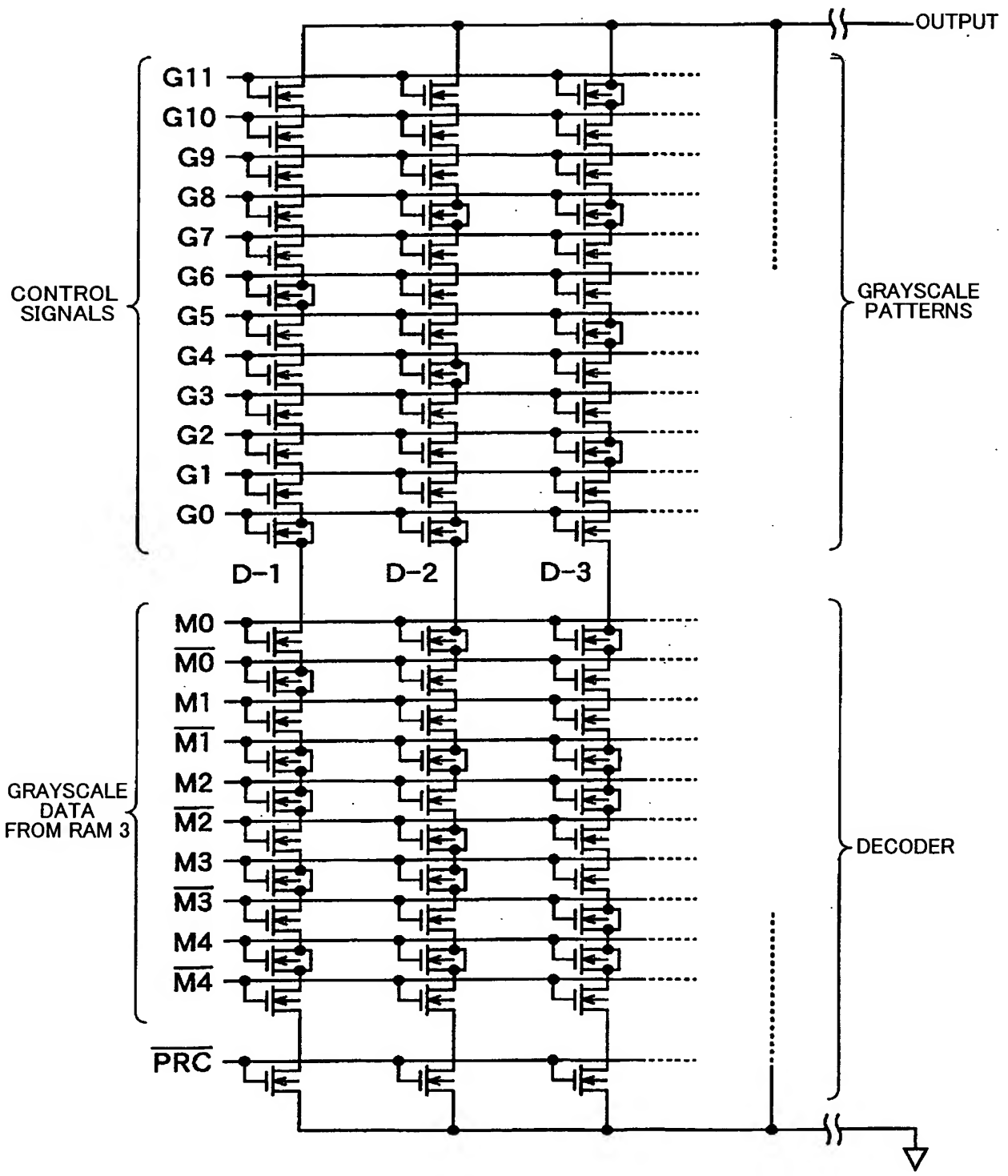


FIG. 15

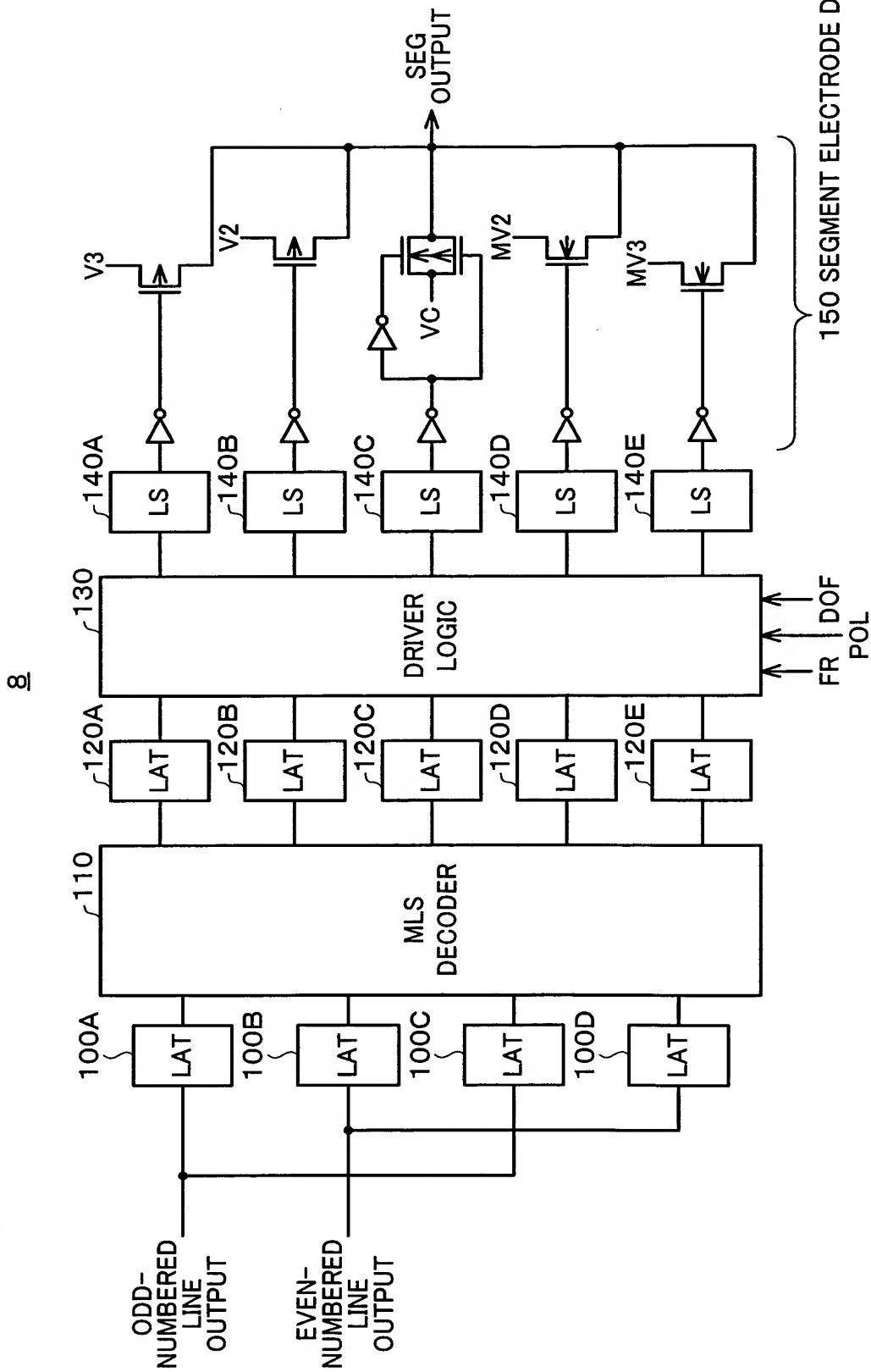


FIG. 16

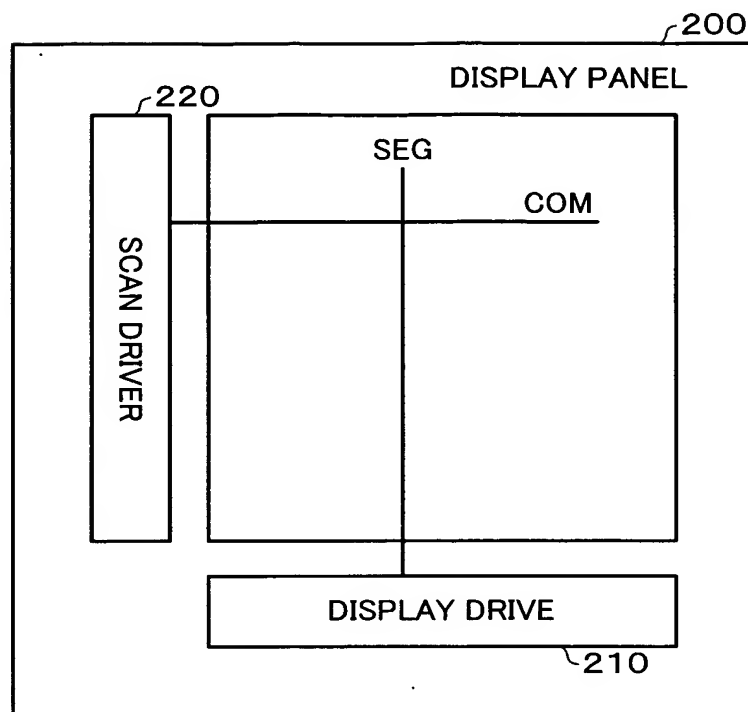




FIG. 17

PRIOR ART

